

24. A method for the rapid fabrication and reproduction of molds and mold components comprising the steps of:

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- a. creating a cavity and core patterns of a mold;
 - b. ceramic injection molding a homogeneous dispersion of ceramic powder or powders in an organic binder around each version of the cavity and core pattern, thereby forming a corresponding die block part as a green article wherein said ceramic powder or powders of said green article are not sintered;
 - c. processing said green article to consolidate the ceramic powder or powders including a means for debinding said binder of said ceramic dispersion and forming a sintered ceramic mold;
 - d. inserting said ceramic mold into a mold base or master mold insert for molding of metals, ceramics or plastics.

25. The method of Claim 24 wherein the ceramic powder or powders used to produce said ceramic molds is/are selected from the group of oxides, carbides, nitrides and other ceramic powders that can be processed to near full density.

26. The method of Claim 24 wherein the resulting molds include features such as coordinate reference points, ejector hole locations or other similar design features. 112.

27. The method of Claim 24 wherein the resulting molds can be incorporated into a mold base used for the die casting of materials such as aluminum and zinc.

REMARKS/ARGUMENTS

By the above amendment, applicants have rewritten or cancelled their claims to define the invention more particularly and distinctly so as to overcome the technical rejections and define the invention patentably over the prior art.